

ECS Configuration Change Request

Page 1 of Page(s)

1. Originator Cherry Kenney	2. Log Date: 07/25/03	3. CCR #: 03-0526	4. Rev: —	5. Tel: 301-925-0342	6. Rm #: 3000R	7. Dept. SE
8. CCR Title: Patch_6A.07_GSFC_ROLLUP.01						
9. Originator Signature/Date Cherry Kenney /s/ 07/25/03			10. Class II	11. Type: CCR	12. Need Date: 25July03	
13. Office Manager Signature/Date Carolyn Whitaker /s/ 07/25/03			14. Category of Change: Other		15. Priority: (If "Emergency" fill in Block 27). Emergency	
16. Documentation/Drawings Impacted (Review and submit checklist):			17. Schedule Impact:		18. CI(s) Affected: STMGT, INGEST, DPL, SDSRV, BMGT, SSS	
19. Release Affected by this Change: 6A		20. Date due to Customer: 25July03		21. Estimated Cost: None - Under 100K		
22. Source Reference: <input type="checkbox"/> NCR (attach) <input type="checkbox"/> Action Item <input type="checkbox"/> Tech Ref. <input type="checkbox"/> GSFC <input checked="" type="checkbox"/> Other: See attachment for NCR list						
23. Problem: (use additional Sheets if necessary) This Patch delivers all the Engineering Software GSFC has installed, plus catch-up for all of DSS, INGEST, SSS, and DPL and BMGT. This also delivers the new NCEP Ingest capability, checksum for AMASS problems, and SecureCopy functionality..						
24. Proposed Solution: (use additional sheets if necessary) Deliver Patch_6A.07_GSFC_ROLLUP.01 to GSFC DAAC only.						
25. Alternate Solution: (use additional sheets if necessary) Wait until next 6A.08 delivery.						
26. Consequences if Change(s) are not approved: (use additional sheets if necessary) GSFC will not have the NCEP Ingest capability and SecureCopy functionality. Problems with checksum for AMASS would continue. Also GSFC would have to install previously delivered patches for DSS, INGEST, SSS, DPL and BMGT individually.						
27. Justification for Emergency (If Block 15 is "Emergency"): GSFC requested a Patch delivery that would enable them to install all Patches/TE that had been deployed.						
28. Site(s) Affected: <input checked="" type="checkbox"/> EDF <input checked="" type="checkbox"/> PVC <input checked="" type="checkbox"/> VATC <input type="checkbox"/> EDC <input checked="" type="checkbox"/> GSFC <input type="checkbox"/> LaRC <input type="checkbox"/> NSIDC <input type="checkbox"/> SMC <input type="checkbox"/> AK <input type="checkbox"/> JPL <input type="checkbox"/> EOC <input type="checkbox"/> IDG Test Cell <input type="checkbox"/> Other						
29. Board Comments:			30. Work Assigned To:		31. CCR Closed Date:	
32. EDF/SCDV CCB Chair (Sign/Date): Byron V. Peters /s/ 07/28/03			Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS			
33. M&O CCB Chair (Sign/Date): Pamela Johnson /s/ 07/28/03			Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS			
34. ECS CCB Chair (Sign/Date):			Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ESDIS			

ADDITIONAL SHEET

CCR #: 03-0526 **Rev:** **— Originator:** Cherry Kenney

Telephone: 301-925-0342 **Office:** 3000R

Title of Change: Patch_6A.07_GSFC_ROLLUP.01

Actions

ClearCase

Please make the tar files listed below using the indicated baseline for each tar file:

Make a SOL8 tar file from the 6A07EBF1 baseline with the following packages:

- .EcDI.pkg
- .EcDICommon.pkg
- .EcDIGUI.pkg
- .EcDIWebAccess.pkg
- .EcDIWebRollup.pkg
- .EcDsDdDdistGUI.pkg
- .EcDsDdDISTSRVR.pkg
- .EcDsDdEPD.pkg
- .EcDsSdOPSWs.pkg
- .EcDsSdSDSRV.pkg
- .EcDsSdDatabase.pkg
- .EcDsSdValidS.pkg
- .EcDsStGUI.pkg
- .EcDsStRequestManager.pkg
- .EcDsStStaging.pkg
- .EcInEMAILSVR.pkg
- .EcInGUIOPSWs.pkg
- .EcNbCommon.pkg
- .EcNbGUI.pkg
- .EcOsBMGT.pkg
- .EcOsBMGTWEB.pkg
- .EcOsBulkURL.pkg

Please make on IRIX65 tar file from the 6A07EBF1 baseline with the following packages:

- .EcDIAMassAccess.pkg
- .EcDICommon.pkg
- .EcDIDatabase.pkg
- .EcDsSdQAMUT.pkg
- .EcDsStArchive.pkg
- .EcDsStArchiveCheck.pkg
- .EcDsStDatabase.pkg
- .EcDsStFtpCopy.pkg
- .EcDsStPullMonitor.pkg
- .EcDsStStaging.pkg
- .EcInAPCSVR.pkg
- .EcInDatabase.pkg
- .EcInDBScripts.pkg (needed for NCEP)
- .EcInINTFCSVR.pkg
- .EcNb.pkg
- .EcNbCommon.pkg
- .EcNbDatabase.pkg
- .EcOsBMGT.pkg

Please make one IRIX65 tar file from the 6A07EBF1 baseline with the following files (needed for NCEP):

```
/ecs/formal/TOOLKIT/message/PGS_NCEPHE_14500.t  
/ecs/formal/TOOLKIT/message/PGS_14500
```

Also Create an IRIX65 tar file with the following file:

```
/ecs/formal/DSS/stmgt/src/Database/EcDsStScript37743.ksh
```

Please make on SOL8 tar file from the 6A07 baseline with the following files (needed for NCEP):

```
/ecs/formal/ESDT/Ea/DsESDTEaSAWINDSH.001.desc  
/ecs/formal/ESDT/Ea/DsESDTEaSAWINDS.001.desc  
/ecs/formal/ESDT/Ea/DsESDTEaSATEMPH.001.desc  
/ecs/formal/ESDT/Ea/DsESDTEaSATEMP.001.desc  
/ecs/formal/ESDT/Ea/DsESDTEaSAMOISTH.001.desc  
/ecs/formal/ESDT/Ea/DsESDTEaSAMOIST.001.desc  
/ecs/formal/ESDT/Ea/DsESDTEaSAGHGTH.001.desc  
/ecs/formal/ESDT/Ea/DsESDTEaSAGHGT.001.desc
```

Please name these tar files Patch_6A.07_GSFC_ROLLUP.01

PATCH/TE Dependencies:

For GSFC Only

Patch_6A.07_GSFC_ROLLUP.01 supercedes the following Patches/TEs:

```
TE_6A.07_BMGT.03  
Patch_6A.07_BMGT.04A  
TE_6A.07_BMGT.05  
Patch_6A.07_DDIST.02  
TE_6A.07_DPL.09  
Patch_6A.07_DPL.10  
Patch_6A.07_ExtSubsetter.01  
Patch_6A.07_INGEST.04A  
Patch_6A.07_QAMUT.01  
Patch_6A.07_SDSRV.04  
TE_6A.07_SDSRV.05  
Patch_6A.07_SSS.04  
Patch_6A.07_STMGT.05  
Patch_6A.07_STMGT.06A  
TE_6A.07_STMGT.07
```

A. PRE - INSTALLATION

1. Pre - Installation for BMGT Subsystem

This delivery of BMGT is setup for GSFC DAAC to install BMGT on either the SUN or IRIX65 hosts. We recommend you run BMGT on the SUN, but install it on both the SUN and IRIX65 at this time. For preparation for installing BMGT on to the SUN you should do the following for each MODE:

- a. Logon to g0acg01
- b. cd /usr/ecs/<MODE>/CUSTOM/cfg
- c. Copy the following BMGT xml files to *.<date> file (so you can diff them after running Mkcfig)
cp EcOsBMGTDefaultPackage.xml EcOsBMGTDefaultPackage.xml.<date>
cp EcOsBMGTCronConfigParams.xml EcOsBMGTCronConfigParams.xml.<date>
cp EcOsBMGTConfigParams.xml EcOsBMGTConfigParams.xml.<date>
- d. Use the following command to tar up all the current BMGT configuration files for the specific MODE being installed:
tar -cvf BMGT_cfg_<MODE> /usr/ecs/<MODE>/CUSTOM/cfg/EcOsB* /usr/ecs/<MODE>/CUSTOM/.installed/OSS/BMGT/
- e. Logon onto g0dps01 or g0dus02 (You will be in the home directory)
- f. Make sure a /usr/ecs/<MODE>/CUSTOM/cfg directory exists (if not create one owned by cm<mode>)
- g. Use the sftp to ftp the tar file you created in step c.

- h. Un tar the file with the following command `tar -xvf BMGT_cfg_<MODE>`
2. Copy the *irix65* tar files into the <staging_area>/IRIX65 directory
3. Copy the *sun5.8* tar files into the <staging_area>/SOL8/ directory
4. Using the Setup.ksh files untar the tar files in both directories
- 5 Using tar -xvf untar the IRIX tar files into a IRIX65 staging directory.
6. Using tar -xvf untar the SOL8 tar file into a SOL8 staging directory.
7. As Root un tar the most recent EcsAssist. The following changes are:
 - a. A new hostmap onto /tools/common/data/ea For BMGT
 - b. The packages names for STMGT have changed and a new one was added. There is no longer an Ingest Ftp Package. The Archive package now only delivers the Cache Manager and Archive Server, Staging Package only delivers the StagingDiskServer, and the FtpCopy package delivers the FtpServer and Copy Servers only. The EcDsStArchiveCheck.pkg included in this delivery delivers the new CheckArchive software.
8. cd <staging_area>/IRIX65/CUSTOM/dbms


```
chmod -R 775 *
```
9. cd <staging_area>/SOL8/CUSTOM/dbms


```
chmod -R 775 *
```
10. Pre- installation for BMGT Subsystem continued
 - a. cd <staging_area>/IRIX65/CUSTOM/
 - b. Edit the sitemap. Locate the entries for your DAAC by searching for "<DAAC>:". Then locate EcOsBm. You will notice the .EcOsBMGT.pkg will be installed on xxacgnn host and xxdps01 host. At GSFC it is installed on g0dus02.

At GSFC we recommend you comment out the installation on either g0dus02 or g0dps01 for the .EcOsBMGT.pkg.

LANDOVER recommends you install BMGT on both the IRIX65 and SOL8 hosts at this time until you are sure which hosts you will be running BMGT on.

 - c. After you have saved the .sitemap you want in the <staging_area>/IRIX65/CUSTOM directory copy the same .sitemap into the <staging_area>/SOL8/CUSTOM directory. E.A.S.I will use the .sitemap in the IRIX65/CUSTOM directory, but if for some reason you need to install something using SubSystem manager later the two .sitemaps should match.
 - d. Verify the appropriate COTS products are installed on the specified hosts:
 - e. Before USING BMGT on the IRIX65 (g0acg01) host the following COTS products be installed on that host.

IMPORTANT NOTE: If you do not plan to run BMGT on the IRIX65 host, but change your mind later the following TEs MUST BE INSTALLED for BMGT to function properly.

 1. The TE you received to install IRIX 6.5.17 on the xxacgnn
 2. The TE you received to install jre 1.4.1 on IRIX65. As you install the new BMGT in a MODE, BMGT will have to be configured to used jre 1.4.1. jre 1.3.1 should not be removed from the host and no other Custom Code should use the new jre.

The Release Notes document for these two TEs are 914_TDA_248 and 914_TDA_191, Rev01.

 - f. On the SUN where BMGT will run the following COTS must be installed if they are not all ready there. There are no new deliveries for these products. The Release Notes for these products are posted at <http://cmdm.east.hitc.com/baseline/>
 1. jre 1.3.1 (914_TDA_191)
 2. JDOM (Beta 8) with Xerces 2.0.1 (914_TDA_223)
 - jdom.jar
 - xmlParserAPIs.jar
 - xercesImpl.jar

3. DAACs must also have jconnect automounted for the sun or installed on the SUN host.

jConnect for JDBC 5.5 (914_TDA_221)
jconn2.jar

g. Listed below are pre-configuration notes for before you install on both the SOL8 and IRIX65 hosts. One of the files that is customized at the DAAC has changed. In order to get the new template you have to move the old file to a different name so the new template will be installed.

h. Logon to xxacgnn

i. cd /usr/ecs/<MODE>./CUSTOM/cfg

j. mv EcOsBMGTContactInfo.xml EcOsBMGTContactInfo.xml.old

k Logon to xxdps01 (or xxdusnn)

l. cd /usr/ecs/<MODE>./CUSTOM/cfg

m. mv EcOsBMGTContactInfo.xml EcOsBMGTContactInfo.xml.old

11. Pre- installation for INGEST Subsystem

Bring down INGEST servers

12. Pre- installation for DPL Subsystem

a. Bring down all DPL processes

b. Bring down tomcat

c. Bring down apache

13. Pre- installation for SDSRV Subsystem

Bring down SDSRV servers

14. Pre- installation for STMGT Subsystem

a. cp <staging_area>/<IRIX65>/*.ksh /usr/ecs/<MODE>/CUSTOM/dbms/DSS

b. cd staging_area>/<IRIX65>/CUSTOM/.installed/DSS/stmgt

c. Get the cfgpatch.STMGT and rgypatch.STMGT files that were hot shelved to GSFC on 07/25/03 by Jenny Boliek.

Following the instructions that came with the hot shelf files to replace the STMGT .cfgpatch and .rgypatch files for both SUN and IRIX65.

c. IMPORTANT -- DO THIS FOR EVERY MODE BEING INSTALLED.. Edit the .rgypatch in the <staging_area>/SOL8/CUSTOM/.installed/DSS/stmgt directory and uncomment the appropriate line that updates the SecureHostPost for the EcDsStFtpServer, depending on the MODE being installed.

d. Bring down STMGT servers

B. INSTALLATION:

1. Logon to any SUN host and install the listed packages using E.A.S.I

EcOsBMGTWEB.pkg

EcOsBMGT.pkg (This package will be installed on both xxacgnn and appropriate SOL8 host at your DAAC)

.EcOsBulkURL.pkg (This package is optional as there have been no changes since the 6A.07 delivery)

.EcDI.pkg

.EcDICommon.pkg

.EcDIGUI.pkg

.EcDIWebAccess.pkg

.EcDIWebRollup.pkg

.EcDsDdDdistGUI.pkg

.EcDsDdDISTSRVR.pkg

.EcDsDdEPD.pkg

.EcDsSdOPSWS.pkg
 .EcDsSdSDSRV.pkg
 .EcDsSdDatabase.pkg
 .EcDsSdValids.pkg
 .EcDsStGUI.pkg
 .EcDsStRequestManager.pkg
 .EcDsStStaging.pkg
 .EcInEMAILSVR.pkg
 .EcInGUIOPSWS.pkg
 .EcNbCommon.pkg
 .EcNbGUI.pkg
 .EcDIAMassAccess.pkg
 .EcDICommon.pkg
 .EcDIDatabase.pkg
 .EcDsSdQAMUT.pkg
 .EcDsStArchive.pkg
 .EcDsStArchiveCheck.pkg
 .EcDsStDatabase.pkg
 .EcDsStFtpCopy.pkg
 .EcDsStPullMonitor.pkg
 .EcDsStStaging.pkg
 .EcInAPCSVR.pkg
 .EcInDatabase.pkg
 .EcInDBScripts.pkg (needed for NCEP)
 .EcInINTFCSVR.pkg
 .EcNb.pkg
 .EcNbCommon.pkg
 .EcNbDatabase.pkg

2. SDSRV Subsystem

- a. login into xxacsnn host
- b. As cmshared copy the DLLs in /usr/ecs/<MODE>/CUSTOM/lib/ESS to /usr/ecs/<MODE>/CUSTOM/lib/DSS .

3. TOOLKIT Subsystem

- a. Login into g0spgnn hosst (or xxicgnn host if mount point is not in place)
- b. cp <staging_area>/IRIX65/PGS* /usr/ecs/<MODE>/CUSTOM/toolkit/message/
- c. if mount point is in place then on the g0spgnn hosts: chmod 775 /usr/ecs/<MODE>/CUSTOM/TOOLKIT/toolkit/runtime

4. DPL Subsystem

- a. Set permissions for fileincache and filevolume utilities
- b. On each archive host where the EcDIAMassAccess.pkg is installed logon as root or su to root.
- c. Change the owner:group of the fileincache and fileVolume executables:

```

chown amass:<group> /usr/ecs/<MODE>/CUSTOM/bin/COMMON/fileincache
chown amass:<group> /usr/ecs/<MODE>/CUSTOM/bin/DPL/fileVolume
  
```

- d. Change the permissions to enable "sticky bit" using the commands.

```

chmod 4775 /usr/ecs/<MODE>/CUSTOM/bin/COMMON/fileincache

chmod 4775 /usr/ecs/<MODE>/CUSTOM/bin/DPL/fileVolume
  
```

- e. Change the <group> to to the appropriate group for your installation. The "appropriate group" is any group to which the user that starts QuickServer(cmshared or allmode) belongs.

C. Configuration

1. Configuration for BMGT Subsystem and DPL Subsystem (via host g0dps01 or g0dus02)

- a. Logon to appropriate SUN host

b. cd /usr/ecs/<MODE>/CUSTOM/utilities

c. Copy the old BMGT Mkcfcg files to *.old files (so you can diff them after running Mkcfcg). The following files will be replaced:

```
EcOsBmgtReplaceXMLGenr.csh
EcOsBMGTStartCron
EcOsBMGTStart
EcOsBulkURLStart (only on xxdpsnn)
EcOsBulkURLReplaceXMLGenr.csh (only on xxdpsnn)
```

d. cd /usr/ecs/<MODE>/CUSTOM/cfg

e. diff EcOsBMGTContactInfo.xml EcOsBMGTContactInfo.xml.old You will see the line
<Address>StreetAddress</Address>
was changed to:

```
<Address>
<StreetAddress>1616, McCormick Drive </StreetAddress>
<City> UpperMarlboro</City>
<StateProvince>MD</StateProvince>
<PostalCode>20774</PostalCode>
<Country>USA</Country>
</Address>
```

f. Also the lines with the words <ContactPersons> was changed to <ContactPerson>

g. Please add all your old customizations to the newly delivered file and fill out the Address properly.

h. Bring up Ecs Assist and run Mkcfcg BMGT. After you install BMGT you must ALWAYS run Mkcfcg, but in this case there have been several updates the xml files. As a part of the fix for NCR 37122 a new (non-configurable) parameter was added to the following two files EcOsBMGTConfigParams.xml and EcOsBMGTCronConfigParams.xml. The parameter name is --publicURL. The default value is set to true after running the BMGT mkcfcgs. This means the xml files can be validated via the DTD. The line discussed in the NCR has been updated to include quotes in the line, therefore validation should not be a problem. If validation is not desired (or is not working for some reason), then the following line should be edited in the two files:

```
<publicURL>true</publicURL>
```

The parameter value of true should be set to false to turn off validation

There are no new configuration parameters, but to use the correct version of jre you should set this directory path correctly.

i. diff the EcOsBMGTDefaultPackage.xml with EcOsBMGTDefaultPackage.xml.old. The maxProduderThreads and the resultThreads may be different. These are now the recommended defaults.

j. diff the EcOsBMGTCronConfigParams.xml with the EcOsBMGTCronConfigParams.xml.old file. The maxProduderThreads and the resultThreads may be different. These are now the recommended defaults.

k. diff the EcOsBMGTConfigParams.xml with the EcOsBMGTConfigParams.xml.old files. The maxProduderThreads and the resultThreads may be different. These are now the recommended defaults.

l. Also via xxdpsnn host run configuration for DPL subsystem. Using the Subsystem Manager, run EcDIWebAccessMkcfcg (Update Apache web server httpd.conf file with new port number for order status control gui) and EcDIInsertUtilityMkcfcg

m. For EcDIWebAccessMkcfcg the following new parameter was added

Parameter	Value
HTTP_SECURE_PORT	<enter port number for the secured web server>

The new HTTP_SECURE_PORT parameter has been added for the Data Pool Order GUI, in response to NCR 37554. This GUI will no longer be accessible from outside the firewall on the Data Pool Web Access port. The ECS Software Port Mapping Baseline document (910-TDA-002) has been modified to assign new port numbers for the Order GUI. See .cfgpatch for appropriate port numbers

n. For EcDIInsertUtilityMkcfcg the following new parameter were added: INSERT_BROWSE and USE_DATAWAREHOUSE

If INSERT_BROWSE = Y, browse granules will be inserted into the Data Pool if their associated science granule(s) is(are) inserted into the Data Pool. This is the default configuration. If INSERT_BROWSE = N, browse granules will not be inserted into the Data Pool for any collection.

If USE_DATAWAREHOUSE = Y, rows will be inserted into the Data Warehouse Fact tables in the Data Pool database (DIFactGroupESDT, DIFactQA, DIFactTemporal, DIFactSpatial, DIFactTimeOfDay, DIFactDayNight) when a granule is inserted into the Data Pool. This is the default configuration. If USE_DATAWAREHOUSE= N, the fact tables will not be populated when granules are inserted into the Data Pool. This will improve insert performance, but granules inserted without fact table population WILL NOT BE VISIBLE to end users accessing the Data Pool via the Web Access GUI.

2. Configuration for SDSRV subsystem

There are no configuration changes

3. Configuration for INGEST Subsystem, BMGT subsystem, SSS subsystem and STMGT subsystem (via host xxacgnn)

a. Logon to xxacgnn host

b. Using the ECS Assist Subsystem Manager, run Mkcfs for all of INGEST. The following parameters will be added for EcInReqMgr and all Instances of EcInPolling.

CopyServerHost -- (this is the host where the Copy server runs and will do Secure copies)

CopyServerPort -- (this will be set by the .cfgpatch based the MODE)

CopyServerMaxClients -- The default value is set to 10.

NOTE: The values will be set automatically via the .cfgpatch process during installation.

c. After you run Mkcfs on the host where EcInGranServer runs, delete the /usr/ecs/<MODE>/CUSTOM/cfg/EcInGran*.CFG files as they have not changed.

d. Use the EcCoPopulateRegistry tool to populate the Registry with the new .CFG files for EcInPolling.<Instance> and EcInReqMgr. Then move these .CFG files to .rgy files.

e. While logged into xxacgnn host perform configuration for BMGT (Repeat steps 1b -1k from above)

f. Next via xxacgnn configure SSS subsystem . Using the Subsystem Manager, run EcNbGUIMkcfs. The following parameter will be added:

Parameter	Definition.
DEFAULT_STATUS	New subscriptions will now have a default status of Inactive. To keep Active as the default status for new subscriptions, edit this parameter to change Inactive to Active."

g. Next configure STMGT subsystem on g0acg01. Using the Subsystem Manager, run EcDsStFtpServerMkcfs, EcDsStCopyServerMkcfs, and EcDsStCacheManagerServerMkcfs

1. For EcDsStFtpServerMkcfs: There are two new parameter for the FTP Server: They are:SecureHostPort - the value will be set by the .cfgpatch during installation based on MODE SecureServerHost - the value is set to xxacgnn. Again the value will be set in by the .cfgpatch during installation of the MODE based on DAAC.

2. ForEcDsStCopyServerMkcfs : There is one configurable parameter for the Copy Server. It is: CopyServerPort -- (This is the same value as the SecureHostPort listed above). This value will also be set based on mode during installation.

3. For EcDsStArchiveCheck.pkg listed below are Archive locations

If more than one Archive Host exist, for each Archive Host specified consecutively, the corresponding Archive Path should be specified in the same consecutive manner. For example,

ArchiveHosts = machine1 machine2 machine3

ArchivePaths = path1 path2 path3

NOTE: The number of paths specified must match the number of ArchiveHosts specified.

In the config file, the user may specify a directory that should not be searched or listed. This information would be stored in the ExcludeDirs parameter in the following format:

machine:/directorypath

The "ArchivePath" parameter takes the archive root without the mode. For example, for the following volume group path: /dss_stk1/OPS/drps the archive root is /dss_stk1

Also in the config file, the following parameters correspond to the archive host of each non-science ESDT:

SSAPCArchHost

QAArchHost
APArchHost
PHArchHost
DPArchHost
BrowseArchHost

If the Archive Host for a particular non-science ESDT is the same as the science ESDTs, then put in the archive host for science ESDTs. If the archive host for a particular non-science ESDT is different then that of the science ESDTs, then put in the archive host that corresponds to that non-science ESDTs.

4. For EcDsStArchiveServerMkcfg and EcDsStCacheManagerServerMkcfg The following parameter was added

Parameter	Defintion
-----------	-----------

ChecksumStoreFreq	the percentage of StoreFile requests that will be checksummed.
-------------------	--

ChecksumRetrieveFreq	- the percentage of checksummed files that will be checksummed for file retrieve requests.
----------------------	--

h . After Mkcfgs are run, cd /usr/ecs/<MODE>/CUSTOM/cfg

i. Using EcCoPopulateRegistry load the following files into the Registry:

EcDsStFtpServer.CFG
EcDsStCopyServer.CFG
EcDsStArchiveCheck.CFG
EcDsStArchiveServer.CFG
EcDsStCacheManagerServer.CFG

j. mv EcDsStFtpServer.CFG, EcDsStCopyServer.CFG , EcDsStArchiveCheck.CFG, EcDsStArchiveServer.CFG and EcDsStCacheManagerServer.CFG files to *.CFG.rgy

4. Configuration for INGEST subsystem(via xxicgnn host)

a. Logon to the xxicgnn host

b. For INGEST configuration repeat steps 3b thru 3d from above

5. Configuration for STMGIT subsystem (via g0drgnn hosts) Note For CHECKSUMMING

a. Logon to the xxdrgnn host

b. Using the ECS Assist Subsystem Manager, run EcDsStArchiveServerMkcfg and EcDsStCacheManagerServerMkcfg The following parameters were added

Parameter	Definition
-----------	------------

ChecksumStoreFreq	the percentage of StoreFile requests that will be checksummed.
-------------------	--

ChecksumRetrieveFreq	- the percentage of checksummed files that will be checksummed for file retrieve requests.
----------------------	--

c. . After Mkcfgs are run, cd /usr/ecs/<MODE>/CUSTOM/.cfg

d. Using EcCoPopulateRegistry load the following files into the Registry:

EcDsStArchiveServer.CFG
EcDsStCacheManagerServer.CFG

e. mv EcDsStArchiveServer.CFG and EcDsStCacheManagerServer.CFG files to *.CFG.rgy

6. Configuration for SSS Subsystem continued (via host xxinsnn)

a. Logon to the xxinsnn host

b. Bring up ECS Assist. Using the Subsystem Manager, run EcNbGUIMkcg. A new GUI parameter DEFAULT_STATUS will be added

Parameter	Definition.
-----------	-------------

DEFAULT_STATUS	New subscriptions will now have a default status of Inactive. To keep Active as the default status for new subscriptions, edit this parameter to change Inactive to Active."
----------------	--

D. DATABASE INSTALLATION

YOU MUST INSTALL SDSRV DB PATCHES FIRST!

1. Database Installation for SDSRV Subsystem

- a. Logon to the g0acs03 host (where the the SDSRV Database Package is installed)
- b. Bring up EcsSubsystem Manager and patch the SDSRV database up to Patch 6556

Patch Number Patch Description

Last patch installed as part of the 6A07 delivery was 6528

6529 - Added primaryCollectionId to DsMdGrPoint

6530 Add new attributes for BMGT(35346 which is in Patch_6A.07_BMGT.02B)

6532- Temporal size support needed in update/install ESDT"(NCR 36236)(Patch_6A.07_SDSRV.02B)

6534 - Modified ProcDeleteProcess for NCR 36796 and modified stored procedures for Access Stats NCRs

36874/36160(Patch_6A.07_SDSRV.02B)

6536 - Modified ProcCleanCollection"(Patch_6A.07_SDSRV.02B)

6540 Added primaryCollectionId to DsMdGrPoint

6542 - Added parameters for GDT script 2

6544 - Created stored procedure to retrieve Collection level SpatialSearchType table

6546 - Update the SDSRV Database for the GCMD keywords field sizes

6548 - Allow bypass of GDT script 1, allow GDT script to resume operation after error, GDT logging improvement

6550 - Make checksum values available for archive verification

6556 - Add checksum capability

c For SDSRV Valids Installation

d. Using ECS ASSISTANT SubSystem Manager

e. Select MODE

f. Select DSS then click on EcDsSr

g. Under the Database Pull down click on DbValids

h. choose the .dbparms and Click OK

i. On the Configurable Database Parameter window, input the DBO ID, Password, SQL Server name and Database name of SDSRV database

j. Click on OK and the Monitor the logs for any error messages

2. Database Installation for BMGT Subsystem

Make sure SDSRV patches 6530 and 6544 has been applied to the SDSRV database before you run BMGT.

3. Database Installation for INGEST Subsystem

- a. Logon to the host where the Ingest Database is installed (g0icg01)
- b. cd /usr/ecs/<MODE>/CUSTOM/dbms/INS
- c. Run the Ingest database script for NCR 37403 To run the script do the enter the following
EcInDbESDT_NCR37403.ksh <MODE> ingest_role g0icg01_srvr INGEST[_MODE]
The script will prompt the user for the ingest_role password.
- d. Review the log as described in the output of the script.
- e. Bring up EcsSubsystem Manager and patch the INGEST database up to Patch 6419

Patch Number Patch Description

6415 - patch was delivered in 6A07 release.

6417 Patch for Secure Copy.

6419 - Modifies InRPHDelCompReq and InRPHDelReqChunks stored procedures

4. Database Configuration For STMGT subsystem, DPL subsystem and SSS subsystem

- a. Logon to the xxacgmn host (where the Database Packages are installed)
- b. `cd /usr/ecs/<MODE>/CUSTOM/dbms/STMGT`
- c. Run the STMGT database script for NCR 37743 To run the script do the enter the following `EcDsStScript37743.ksh`
`<MODE> stmgt_role xxacgmn_srvr STMGTDB1[_MODE]`
The script will prompt the user for the stmgt_role password.
- d. Review the log as described in the output of the script.
- e. Bring up Ecs Assist . Using Subsystem Manager and patch the STMGT database up to Patch 6376

Patch Number Patch Description

6337- delivered in 6A07 release
6341- delivered in Patch_6A.07_DDIST_STMGT.01
6347 - NCR36649 Proc DsStCMDeleteExpiredLiens slows Sybase and NCR32390 failed requests accumulating in database
6351 - NCR37093 Fix Granule Deletion fail with backup BNCR36789
6354 - Add new column (Cipher) to DsStFtpRequest table
6357 - NCR 37110 - Renaming ReqMgrNotified field in the DsStGenericRequest Table to InMemoryQueue Fix associated stored procs
6360 -NCR 37362 - GSFC/SMC: Ddist StoreProcs DeleteDdistArchive* causing table scans
6374 NCR 37750 - Threading problem in Archive Server cause file retrieve failure
6376 NCR 37719 - GSFC Add support for checksum and NCR37738 - BatchDelete too slow

- f. Next using Subsystem Manager patch the DPL database up to Patch 6142

Patch Number Patch Description

6119 - patch was delivered in 6A.07 release
6121 - patch was delivered in Patch_6A.07_DPL.02
6123 - patch was delivered in Patch_6A.07_DPL.02
6125 - modified stored procedures for NCR 36655(delivered in Patch_6A.07_DPL.04)
6127 - also modified ProcDeleteProcess for NCR 36796 and modified stored procedures for Access Stats NCRs 3874/36160(delivered in Patch_6A.07_DPL.04)
6129 - NCR37145 - ProcGetFileVolumeGroup needs to look for granules in the closed Volume Group(delivered in Patch_6A.07_DPL.08C)
6131 - NCR 36917 - remove identity columns; NCR35328 - Batch Insert procs; NCR36797 - wrong granule size; NCR37059 theme stat table; NCR36399 - Remove ProInsertDIFactSpatial; NCR36798 - update ProcGetScienceGranFiles to return (delivered in Patch_6A.07_DPL.08C)-
6133-NCR 37271: ProInsertFtpGranuleAccess and ProInsertWebGranule Access; NCR 37078: ProcUpdateDIStatGroup, ProcUpdateDIStatESDT, and ProcUpdateDIStatTheme. correct message; NCR37078: stats script take too long; NCR37079: add size to DIStatESDT. (delivered in Patch_6A.07_DPL.08C)-
6135 - NCR 37324: ProInsertECSActions and ProInsertNonECSActions(delivered in Patch_6A.07_DPL.08C)
6137 - NCR 37409: ProcMakeThemeRetroactive
6139 - NCR 37389 Modified ProcCopySdsrvGranInventory
6141 - NCR 37520 and 37472 ProInsertCollections and DIHEGLookup table changes
6142 Create stored procedure to retrieve a checkSum based upon internalFileName

- g. Next via Subsystem Manager, patch the SSS database up to Patch 6289

Patch Number Patch Description

6230 - delivered in 6A07 release
6235 - delivered in Patch_6A.07_SSS.01A
6240 - delivered in Patch_6A.07_SSS.01A
6245 - delivered in Patch_6A.07_SSS.01A
6250 NCR35075 Add a new field to EcNbSubscription table for update time.(delivered in Patch_6A.07_SSS.02)
6260 NCR37055 Correction to Dequeue Stored Procedure.(delivered in Patch_6A.07_SSS.02)
6265 Rebuild trigger TrigInsEcNbDpEventDetails(supports DPL NCR 36917).(delivered in Patch_6A.07_SSS.02)
6270 NCR36419 Modification to stop multiple retrying of requests after expiration of max retry times.
6275 NCR36313 Modifications for attribute synchronization
6280 NCR34937 Modifications For database deletion
6285 NCR3471, 34940, 36394, 37326, 37530 Ensures that dbID is always of type numeric(16)
6287 NCR37558 Loads in ProcSubscribedEventDequeue
6289 NCR37219 Add dispatchPriority to EcNbDpEventDetails

E. POST INSTALLATION

1. For BMGT Subsystem

a. You may now run BMGT.

b. If you have install BMGT on the SUN and DO NOT EVER wish to run BMGT on the xxacgmn host then you may remove the following files and directories from xxacgmn:

```
/usr/ecs/<MODE>/CUSTOM/.installed/OSS/.components/  
/usr/ecs/<MODE>/CUSTOM/.installed/OSS/BMGT/*  
/usr/ecs/<MODE>/CUSTOM/utilities/ECOS*  
/usr/ecs/<MODE>/CUSTOM/WWW/OSS/**  
/usr/ecs/<MODE>/CUSTOM/bin/OSS/*  
/usr/ecs/<MODE>/CUSTOM/cfg/ECOSB*  
/usr/ecs/<MODE>/CUSTOM/data/OSS/*  
/usr/ecs/<MODE>/CUSTOM/lib/OSS/*
```

2. For STMGT Subsystem

Bring up STMGT servers

3. For DPL Subsystem

a. Bring up tomcat

b. Bring up apache

c. Bring up DPL processes

NOTE: If the DAAC wishes to "advertise" a collection as supported for HEG conversion via the Data Pool, the DAAC must manually set the convertEnabledFlag to Y in the DICollections table for that collection. The convertEnabledFlag should only be set to Y if the collection is present in the DIHEGLookup table. The DIHEGLookup table has been updated with this patch to contain the list of all collections currently supported by the Data Pool HEG (except MOD29.003 and MOD29.004, which are also supported)."

4. For SDSRV Subsystem

Bring up SDSRV servers

5. For INGEST Subsystem

Bring up INGEST servers

The attached Test Report includes only NCRs that are newly delivered this Rollup. For test reports for previously released NCRs see the appropriate CCR.